1. Diana babysits for a family that pays $8.00 an hour. Jessica babysits for a family that pays her $10 and $2.00 for each hour she babysits.

a. Write an equation for each babysitter that shows how much they will make for up to 10 hours of babysitting.

b. Complete the table to show how much each babysitter makes.

c. Graph each equation.

d. After how many hours will each babysitter make the same amount of money? What is that amount?

e. What does the slope represent in each problem?